free end and a socket embodiment at its other free end. Both embodiments are part of an overall housing of the connector, so that through them the connector is also embodied into a fully self-contained component. The connector is thus a very complicated part which is difficult and expensive to manufacture. When such a connector is fitted into an associated charging cradle the charging cradle becomes difficult and expensive to manufacture. In addition this connector makes adaptation to constructional changes in a device assigned to the charging cradle difficult and expensive as regards the contact spacings of the electrical connecting contacts since a completely newly constructed connector has to be used each time.

A power supply component for charging rechargeable batteries or accumulators is known from document GB 2 376 354 A. This case too merely involves a device delivering the necessary voltage for charging and featuring the corresponding electronics for this. The power supply component does not feature any electronics for control of the processes of charging a mobile communication terminal. As such a power supply component the power supply component features a connector of which the electrical contacts are only embodied as small-surface contacts.

A connector is known from document US 6 224 412 B1 which has large-surface contact areas on its surface such that these do not extend beyond a previously used conventional dimension.

The object of the present invention is to specify a charging system for charging mobile communication terminals, a charging cradle and for operating the charging cradle a power supply component for use in said charging system in each case, as

Claims

1. Charging cradle (1) for charging mobile communication terminals, consisting of a housing (2; 3) with an insertion shaft (8), into which, for electrical connection of the charging cradle (1) a connector (9) with large-surface contact areas (15) can be introduced and positioned, and finally solely consisting of contact springs arranged in the housing (2; 3) with spring tongues (6) for a contacting the contact surfaces (15) of a connector (9) positioned in the guide shaft (8) of the housing (2; 3) arranged at one end of the contact springs (5) and with contact points (7) arranged at the other end of the contact springs (5), which can be contacted through openings (10) in the housing (2; 3) by mating points on a mobile communication terminal, inserted into the charging cradle (1) for the purposes of charging it.

2. charging cradle in accordance with claim 1, characterized in that at least one of the shaped parts (e.g. 3) of the housing (2; 3) has position holders (4) formed into it in which the contact springs can be mounted (5).

3. Power supply component with complete electronics (12) arranged in a single housing for charging and control of the charging processes of a mobile communication terminal and with a large surface connector (9) connected with a connecting cable (14) which features large-surface contact areas (15) for contacting with a charging cradle (1).

4. Power supply component in accordance with claim 3, characterized in that the housing of the power supply component (11) is connected directly to an ac power adapter (13).